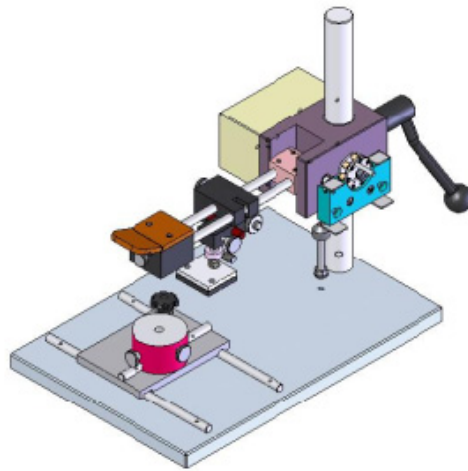




Operating Instructions for the Etch-Station M1

Art.No. 56.073



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Edition: 05/13
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Introduction

Dear Customer,

You have made a good choice by purchasing the Etch-Station M1. Thank you for your trust in our product. Your system will honour this trust, but there will be one condition to satisfy right from the onset: The system should always be treated with respect, even under the most ardent of conditions. Therefore, these Operating Instructions should be kept with operators.

It would be a mistake to have these Operating Instructions rot away under heaps of dust. We have therefore endeavoured to give you all the recommendations and information necessary for operating, servicing and monitoring your system.

Please read these Instructions carefully **PRIOR TO COMMISSIONING** the system in order to become familiar with them.

Following these Instructions precisely will save you time and prevent losses, and you will still be fully satisfied with the system's performance in years to come.

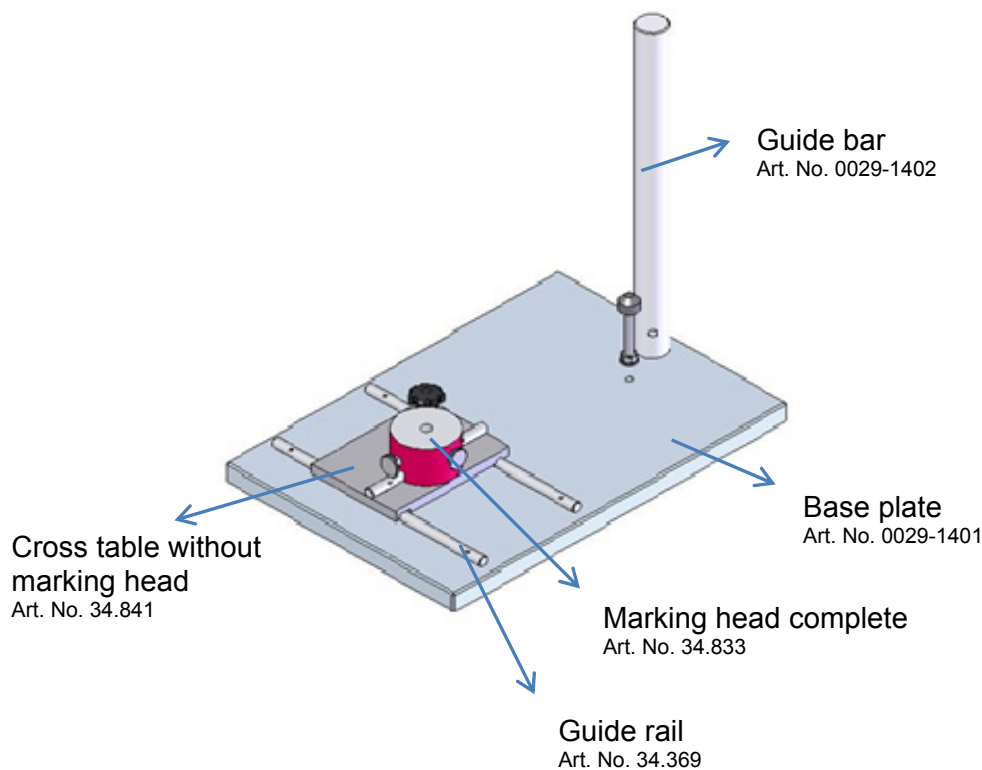
We wish you success in your work and optimal results by employing your SCHILLING Etch-Station M1.

Thank you for your attention and have a good start!

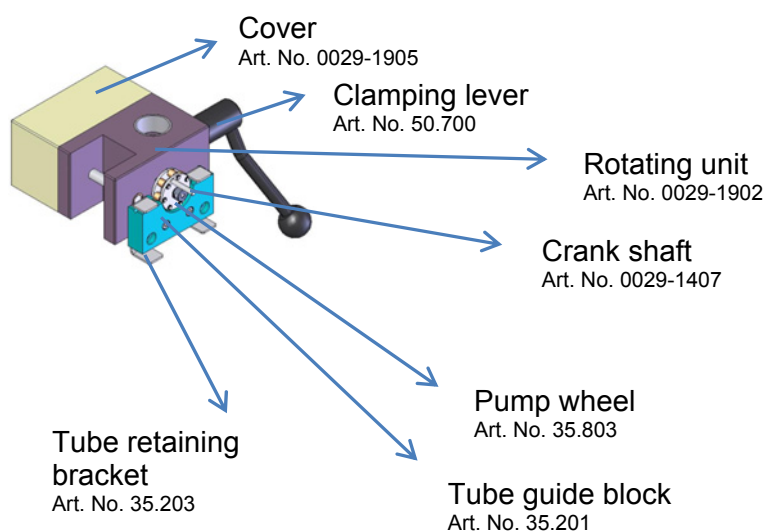
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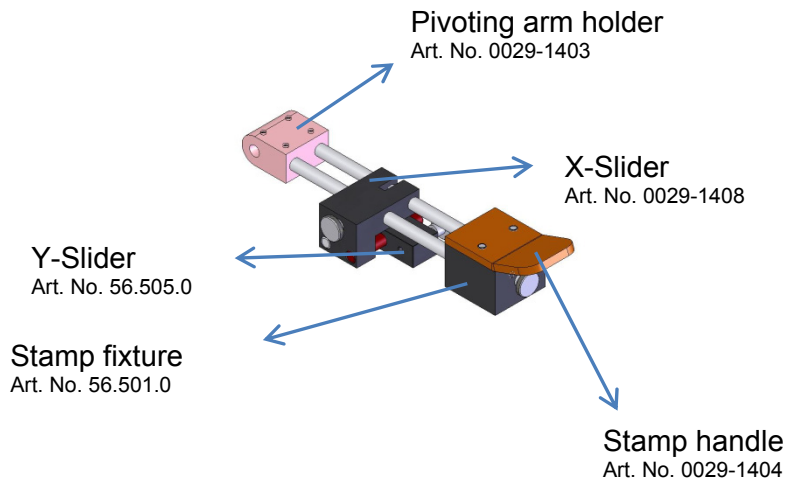
1 Operating elements of the base plate with column



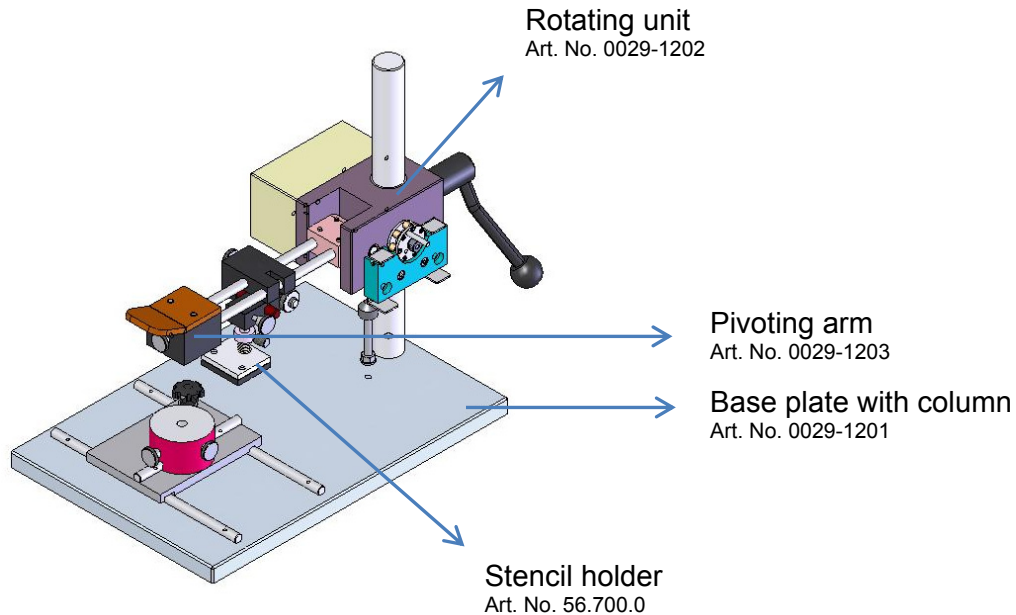
2 Operating elements of the rotating unit



3 Operating elements of the pivoting arm



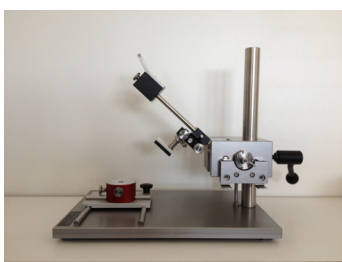
4 Operating elements of the rotating unit



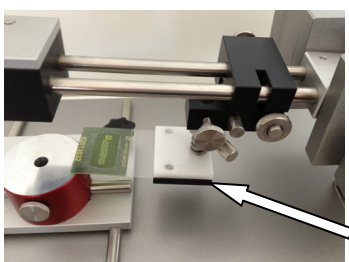
5 Scope of delivery

	Description	Art. No.	Quantities
1.1	Etch-Station M1 compl.	56.073	1 pc.
1.2	Electrolyte container compl.	35.813	1 pc.
1.3	Silicone tube 1x1 mm	35.220	1 pc.
1.4	Connection cable 1,0 m black	22.332	1 pc.
1.5	Connection cable 1,0 m red	22.333	1 pc.
1.6	Jig (flat) Ø 50 mm	38.810	1 pc.
1.7	Carbon stamp compl. 30 x 15 mm	34.802	1 pc.

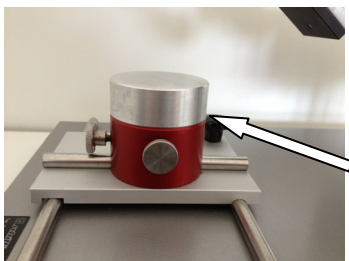
6 Initial steps and marking



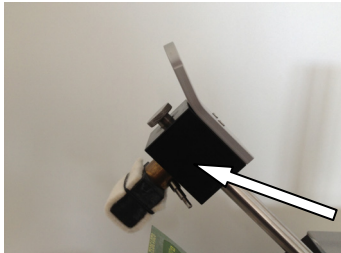
6.1 Fasten the stencil into the stencil holder.



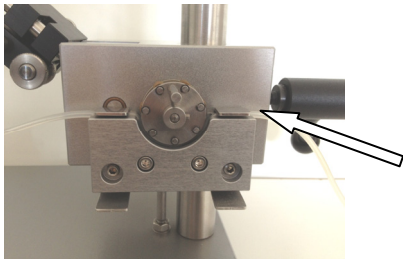
6.2 Fasten the jig (1.6) into the marking head.



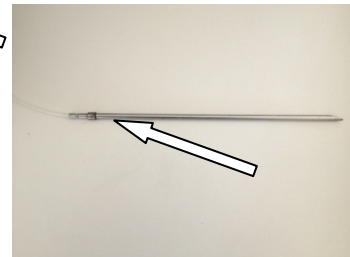
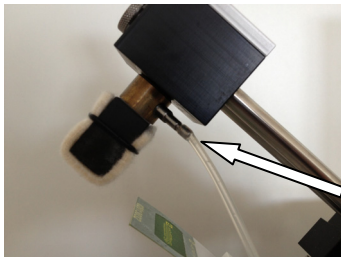
- 6.3 Fasten the carbon stamp (1.7) into the stamp fixture.



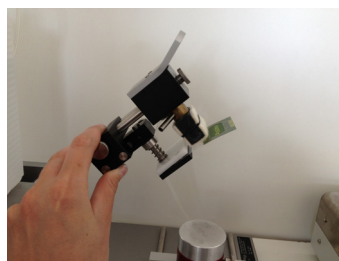
- 6.4 Feed the silicone tube (1.3) through the gap between the pump wheel and the tube guide block.



- 6.5 Connect the needle for the electrolyte container (1.2) to one end of the silicone tube (1.3) and the other end to the carbon stamp (1.7). Place the needle into the lid of the electrolyte container (1.2).



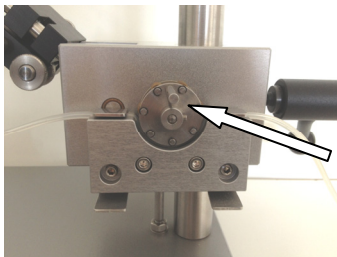
- 6.6 Adjust the distance of the stencil to the carbon stamp (1.7) by moving the x-slider.



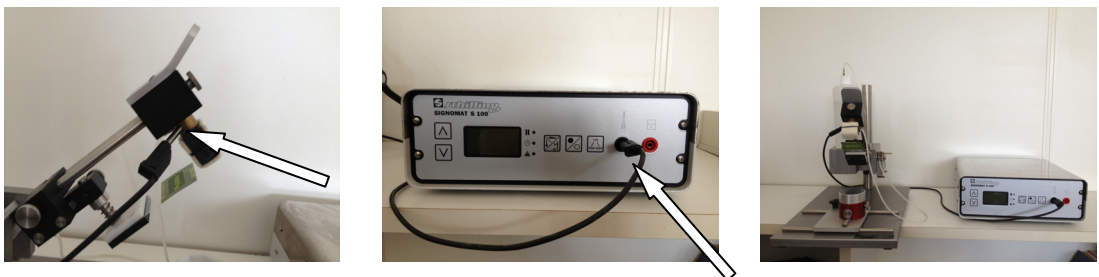
- 6.7 Position the marking head by moving the cross table along the guide rails.



- 6.8 Rotate the pump wheel in a clockwise direction until the marking felt of the carbon stamp (1.7) is moist.



- 6.9 Attach the black connection cable (1.4) to the Etch-Station M1 and to the Signomat as shown in the pictures below.



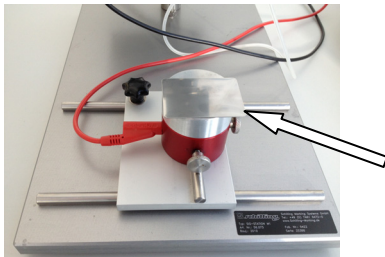
- 6.10 Attach the red connection cable (1.5) to the Etch-Station M1 and to the Signomat as shown in the pictures below.



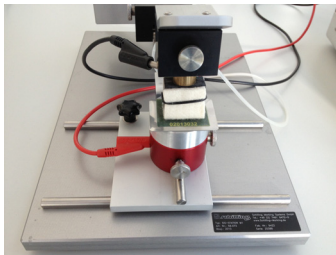
- 6.11 Switch on the Signomat. Adjust the settings on the Signomat in accordance to the material to be marked. Our „Use of electrolyte“ list can be used for further assistance. Please contact us for details.



- 6.12 Place the piece to be marked on the marking head.



- 6.13 Move the pivoting arm downwards, so that the stamp and the stencil come into contact with the piece to be marked. The etching cycle of the Signomat begins. The acoustic tone of the Signomat signals the end of the etching process. Return the pivoting arm to its original position.



→ YOUR MARKING RESULTS SHOULD LOOK SIMILAIR TO THIS:



- 6.14 Remove the marked piece and apply the neutrallyte solution.

7 Cleaning after use

- 7.1 Disconnect the black connection cable (1.4) and the silicone tube (1.3) from the carbon stamp (1.7).
- 7.2 Remove the carbon stamp (1.7) from the stamp fixture and separate the felt from the carbon stamp.
- 7.3 Rinse the carbon stamp (1.7) and the silicone tube (1.3) with water.
- 7.4 Remove the jig (1.6) from the marking head and clean thoroughly with water.
- 7.5 Furthermore, all parts that come in contact with an electrolyte should always be cleaned with water.

8 Maintenance, silicone tube replacement

The Etch-Station M1 does not require any additional maintenance apart from that detailed in section 7 (Cleaning after use). However, the silicone tube and the marking felt should be replaced regularly to ensure a constant marking quality.

9 Comments / questions

Do you have any comments or questions? If so, please contact us.

We will be happy to assist you!

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